

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

1.9622
03722

Ohio Agricultural Experiment Station
DEPARTMENT OF FORESTRY
In Cooperation With
U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION

Technical Note 30

April 15, 1941

LOCAL VOLUME TABLE ^{1/}

for

WHITE ASH

(Fraxinus americana)
in Franklin County, Ohio

INTERNATIONAL Rule ($\frac{1}{4}$ " kerf)

Merchantable Stem to a Variable Top Diameter

Diameter breast high outside bark (inches)	Volume per tree	Average merchant- able length	Basis in trees	Diameter breast high outside bark (inches)	Volume per tree	Average merchant- able length	Basis in trees
	Board feet	Feet	Number		Board feet	Feet	Number
			(1)	20	349	41	5
7	4	22	1	21	392	42	1
8	16	24	1	22	439	43	3
9	30	25.5	1	23	488	44	5
				24	539	44.5	1
10	46	27.5	8	25	593	45.5	2
11	65	29	6	26	649	46	6
12	87	30.5	5	27	708	47	-
13	111	32	2	28	769	47.5	2
14	137	33.5	3	29	833	48	2
15	166	35	5	30	900	48.5	3
16	198	36.5	5	31	968	49	4
17	232	37.5	6	32	1040	49	-
18	268	39	3	33	1113	49.5	-
19	307	40	1	34	1190	49.5	1
				35	1268	49.5	1
				36	1350	49.5	1

^{1/} Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 -- "the Ohio Woodland Survey." Measurements taken at 12.3-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Basis, 85 trees.

Table prepared, in 1941, by curving volume of merchantable length over d.b.h.

Aggregate difference: table is 0.07% low. Average percentage deviation of basic data from table, 21.4%.

W. O. Schramm
L. F. Kellogg

